

JP 59-094371

-3- (JAPIO)

ACCESSION NUMBER

TITLE

METHOD

PATENT APPLICANT

LTD

INVENTORS

PATENT NUMBER

APPLICATION DETAILS

SOURCE

VOL. 8, NO. 209,

INT'L PATENT CLASS

JAPIO CLASS

ABSTRACT

84-094371

ALKALINE BATTERY AND ITS MANUFACTURING

(2000618) MITSUI MINING & SMELTING CO

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84.05.31 J59094371, JP 59-94371

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84.09.22 SECT. E, SECTION NO. 268;

PG. 20.

H01M-004/42

42.9 (ELECTRONICS--Other)

PURPOSE: To increase the effect of suppressing gas generation and the effect of battery performance by using the amalgamated zinc alloy powder in which one or more kinds of cadmium, tin, thallium, lead, and bismuth is/are allowed to coexist with indium or zinc-mercury alloy powder as the cathode active material.

CONSTITUTION: The amalgamated zinc alloy powder in which one or more kinds of cadmium, tin, thallium, lead, and bismuth is/are allowed to coexist with indium or zinc-mercury alloy powder is used as the active material of a cathode 4. It is recommended that the volume of each element in the said powder should be listed below: The content of indium is 0.005-1wt%, the content of cadmium is 0.001-0.05wt%, the content of tin is 0.001-1wt%, the content of thallium is 0.001-1wt%, the content of lead is 0.005-1wt%, the content of bismuth is 0.001-1wt%, and the content of mercury is less than 5wt%.